

METHOD AND APPARATUS FOR RELIABLE BOOTING DEVICE

ABSTRACT OF THE DISCLOSURE

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5 The present invention is a method and apparatus for a reliable boot device. The invention comprises a plurality of disk drives which appear to be the same logical unit (LUN) to the computer. Any disk can serve as the boot drive, and any remaining disk serves as a backup boot drive. The LUN is mirrored, which means information written to any disk is automatically written to all disks. The mirroring requires no additional computations. In the event of failure of one of the disks, the invention automatically indicates that one disk has failed and switches to using all disks which have not failed. A technician can remove the failed disk and replace it with a new disk while the invention is still in use. Once the new disk is placed in the invention, the information on the remaining disks is automatically mirrored to the replacement disk. This results in the system recovering from a failure in the boot drive without any interruption in the usability of the computer.

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